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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/749,000	12/27/2000	Neta Aizenbud-Reshef	GB920000119US1	6423
25259	7590	02/06/2004	EXAMINER	
IBM CORPORATION 3039 CORNWALLIS RD. DEPT. T81 / B503, PO BOX 12195 REASEARCH TRIANGLE PARK, NC 27709			ZHEN, WEI Y	
			ART UNIT	PAPER NUMBER
			2122	

DATE MAILED: 02/06/2004

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Please find below and/or attached an Office communication concerning this application or proceeding.

*du*

## Office Action Summary

Application No.

09/749,000

Applicant(s)

AIZENBUD-RESHEF ET AL.

Examiner

Wei Y Zhen

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-- **Th MAILING DATE of this communication appears on the cover sheet with the correspondence address --**

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 27 December 2000.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-18 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-18 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- ☒ Notice of References Cited (PTO-892)
- ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_
- ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_
- ☐ Notice of Informal Patent Application (PTO-152)
- ☐ Other: \_\_\_\_\_

### DETAILED ACTION

1. Claims 1-18 are pending.

#### *Claim Rejections - 35 USC § 102*

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-18 are rejected under 35 U.S.C. 102(b) as being anticipated by West, U.S.

Patent No. 5,740,440.

As per claim 1, West discloses

- A visual execution monitoring tool (Fig. 2)
- One or more componentd for generating program execution progress report upon reaching predefined stages of program execution (col. 3 lines 27-35, line 44-50, 59-62 and col. 4 line 49-56)
- the execution program reports including a representation of the current contents of a message being processed by the message processing program (col. 3 lines 27-35, col 4 lines 6-7, lines 61-62) and for sending the execution progress reports to an execution monitoring controller (Fig. 2 and col. 8 lines 16-32)
- An execution monitoring controller which is responsive to receipt of said execution progress reports for generating, during execution of said message processing program, a visual representation of the message content (Fig. 2 and col. 8 lines 16-32).

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As per claim 2, the rejection of claim 1 is incorporated and further West discloses

- a message generator which is responsive to user input to create a message and to invoke the message processing program to process the message (col. 3 line 59 to col. 4 line 7 and col. 34 lines 24-26).

As per claim 3, the rejection of claim 1 is incorporated and further West discloses

- setting breakpoints within the message processing program (col. 3 lines 59-62) and means for modified the message contents when execution is stopped at a breakpoint (col. 3 lines 62-67, col. 4 lines 29-31).

As per claim 4, the rejection of claim 1 is incorporated and further West discloses

- wherein the execution progress reports include an indication of the current execution status and the execution monitoring controller is adapted to generate a visual representation of the current execution status (Fig. 2 and col. 8 lines 16-32).

As per claim 5, the rejection of claim 1 is incorporated and further West discloses

- wherein the execution progress reports include information relating to the position within the message processing program structure corresponding to the current stage of program execution and the execution monitoring controller is adapted to generate a visual representation of this position within the message processing program structure (Fig. 2 and col. 8 lines 16-32).

As per claim 6, the rejection of claim 1 is incorporated and further West discloses  
Wherein the execution monitoring controller includes means for analyzing the message processing program to identify a set of locations within the message processing program corresponding to a predefined set of execution progress points (col. 3 lines 59-62) and to insert the components for generating program execution progress reports at said locations (col. 3 lines 62-67, col. 4 lines 29-31).

Claim 7 is rejected for the reason set forth in the rejection of claims 1 and 2.

Claim 8 is rejected for the reason set forth in the rejection of claim 1.

Claim 9 is rejected for the reason set forth in the rejection of claim 1.

Claim 10 is rejected for the reason set forth in the rejection of claims 1 and 2.

Claim 11 is rejected for the reason set forth in the rejection of claims 1 and 2.

Claim 12 is rejected for the reason set forth in the rejection of claims 1 and 2.

Claim 13 is rejected for the reason set forth in the rejection of claim 1.

Claim 14 is rejected for the reason set forth in the rejection of claim 3.

Claim 15 is rejected for the reason set forth in the rejection of claim 5.

As per claim 16, West discloses

Said execution monitoring controller maintains a representation of the structure of the computer program as a sequence of interconnected nodes in which individual nodes represent processing components of the program (Fig. 4 and col. 9 line 60 to col. 10 line

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29), and wherein the progress reports include an identifier of a node associated with the currently executing processing component (Fig. 4 and col. 10 lines 6-29).

As per claim 17, West discloses

Wherein the information relating to the position within the program structure includes a node identifier and the execution monitoring controller saves this information to an execution stack so as to record information tracking a sequence of positions within the program structure corresponding to an executed processing sequence (Fig. 4 and col. 9 line 60 to col. 10 line 29).

As per claim 18, West discloses

The components for generating progress reports are also represented as nodes within the program structure (Fig. 4 and col. 9 line 60 to col. 10 line 29).

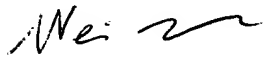
### ***Conclusion***

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Wei Y Zhen whose telephone number is (703) 305-0437. The examiner can normally be reached on Monday-Friday, 8 a.m. - 4:30 p.m..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tuan Dam can be reached on (703) 305-4552. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Wei Zhen  
Primary Examiner  
2/3/2004